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LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

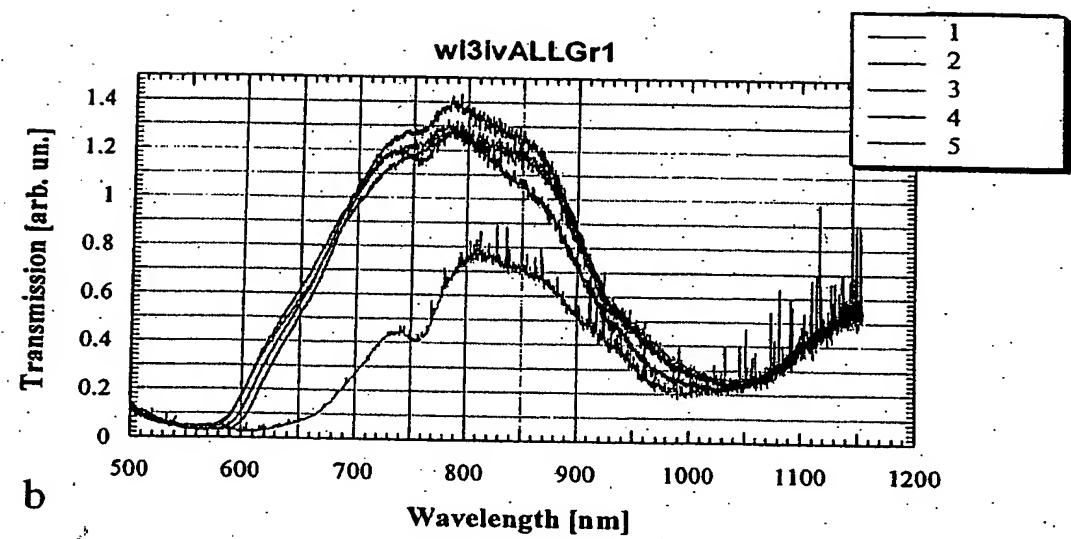
AFTER SPINAL CORD INJURY

Juanita J. Anders, et al.

Appl. No.: Unknown Atty Docket: ACULSR.049A



a



b

FIGURE 1

LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

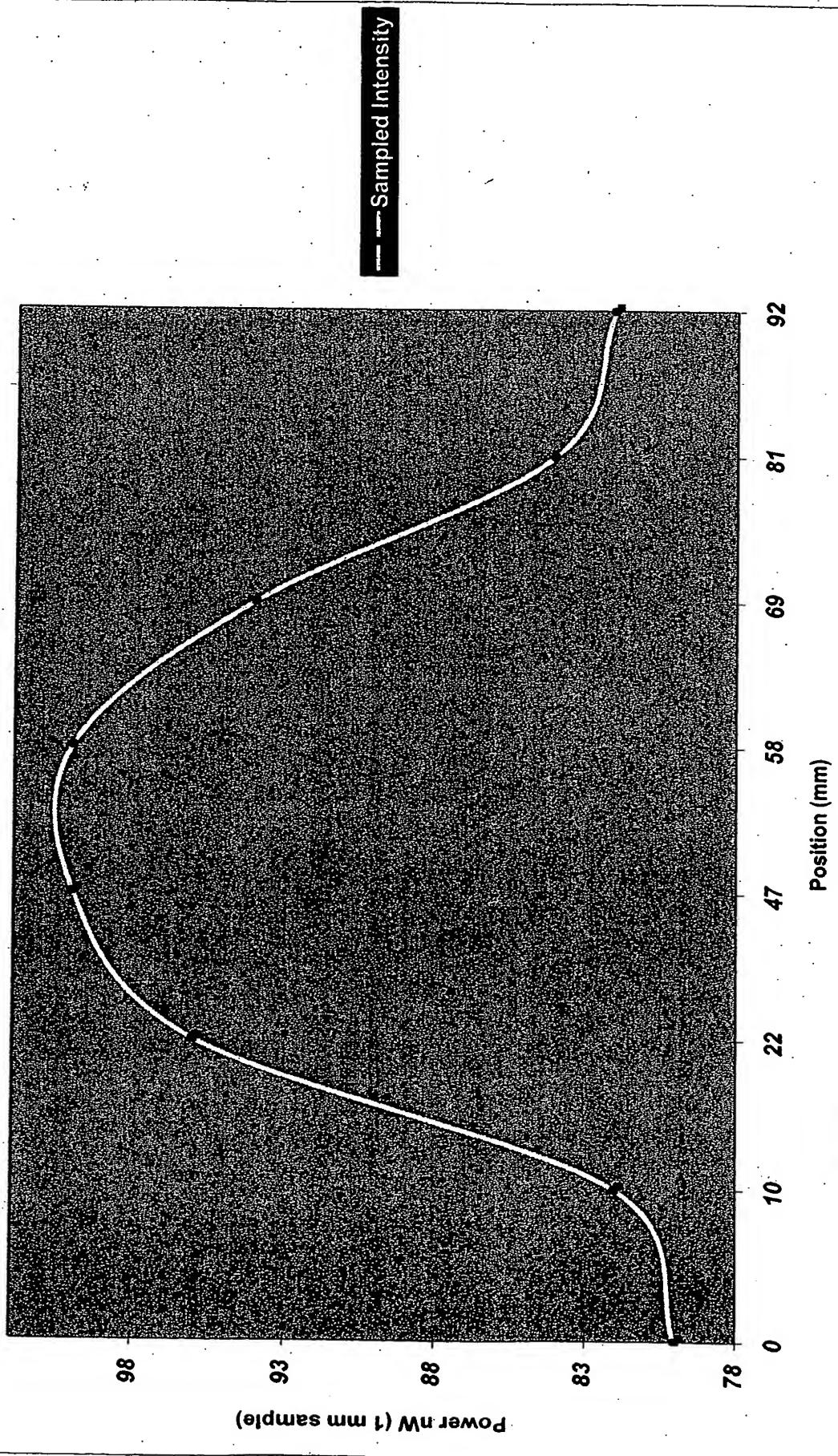
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FIGURE 1C

Transmitted Intensity Distribution

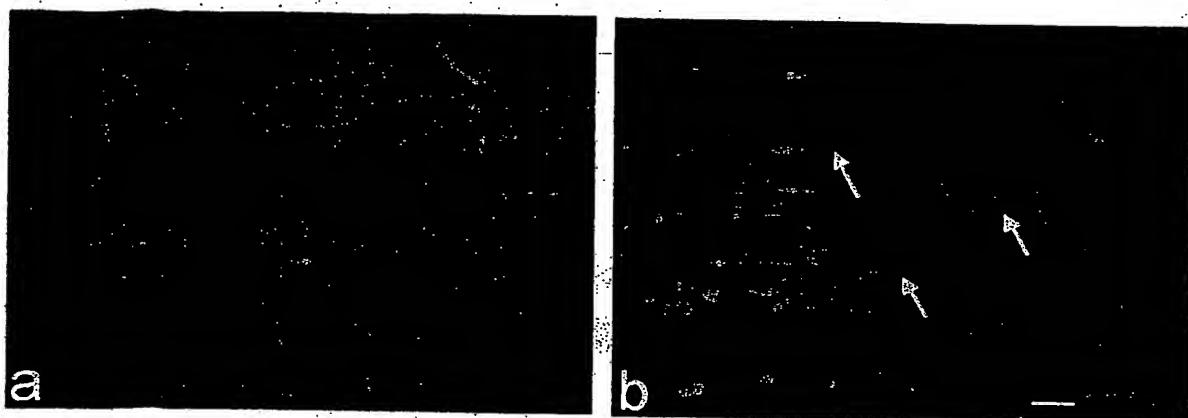


LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

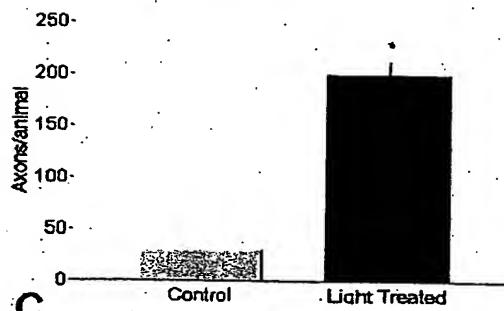
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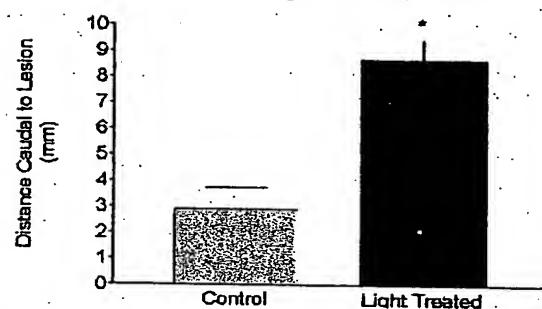
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Average Axon Number

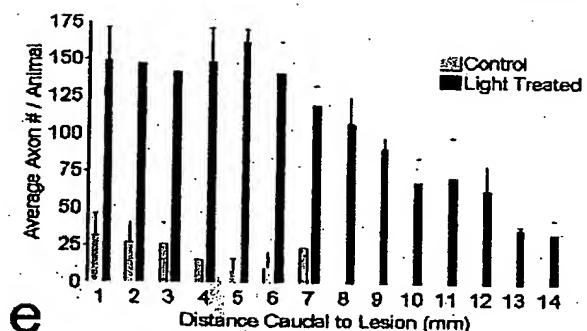


Average Distance



C

d

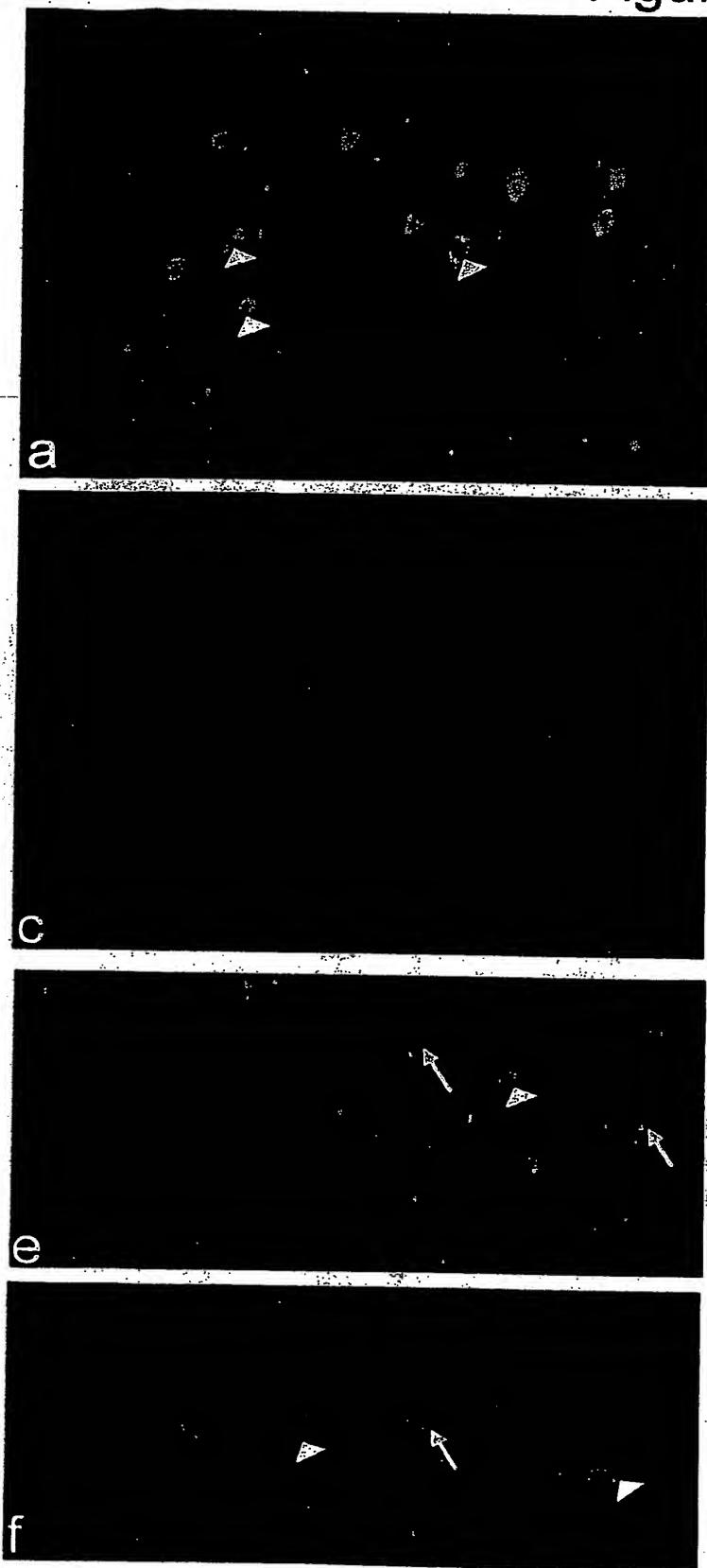


e

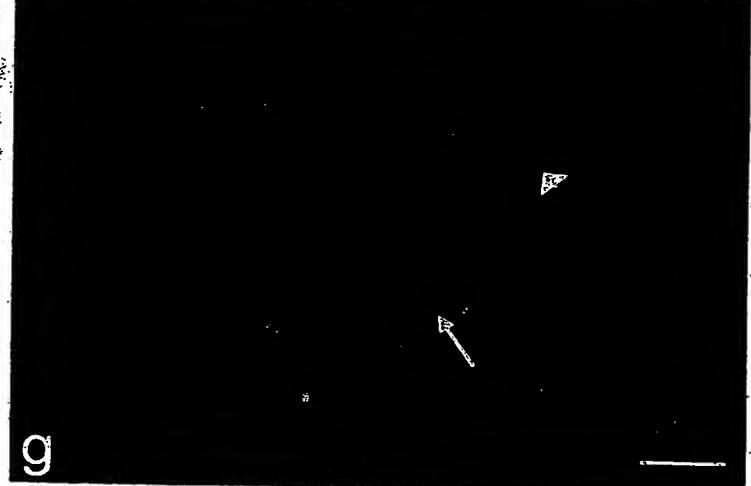
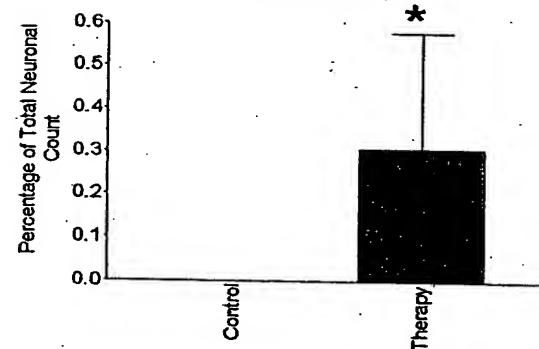
FIGURE 2

**LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY
AFTER SPINAL CORD INJURY**
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Figure 3



**Double Labeled Neurons
(Transected and
Regrown)**



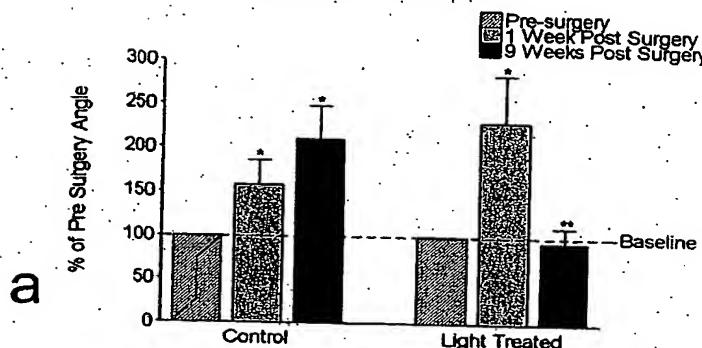
LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

AFTER SPINAL CORD INJURY

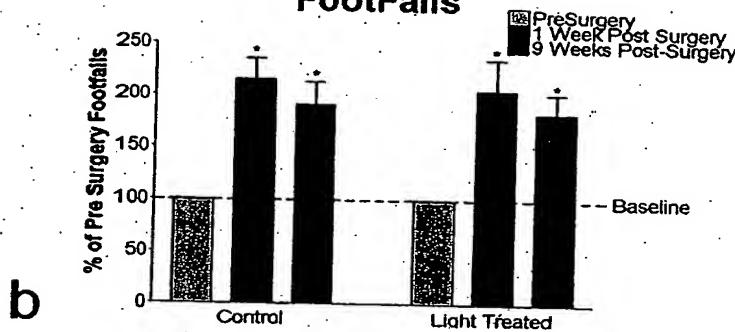
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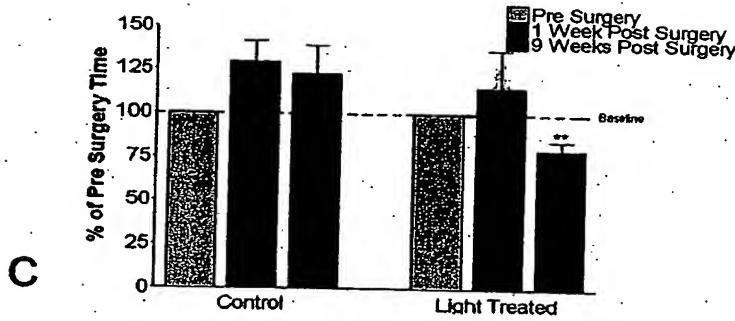
Angle of Rotation



FootFalls



Ladder Beam Cross Time



d

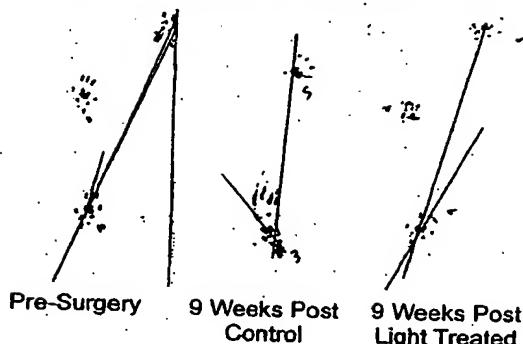


FIGURE 4

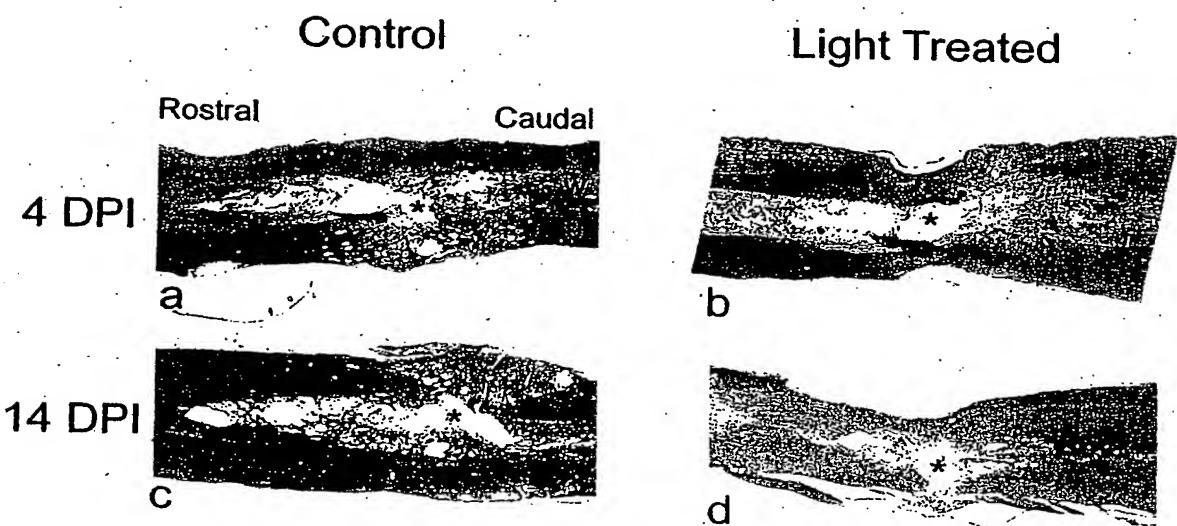
LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY AFTER SPINAL CORD INJURY.

AFTER SPINAL CORD INJURY

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FIGURE 5



**LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY
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Control

Light Treated

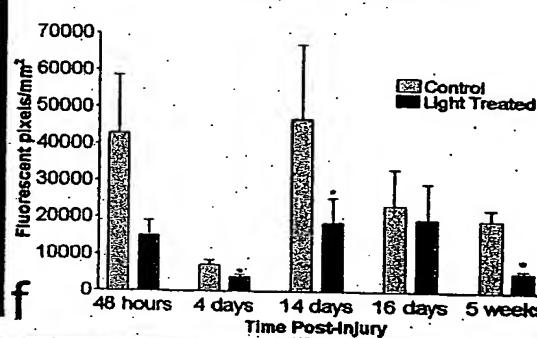
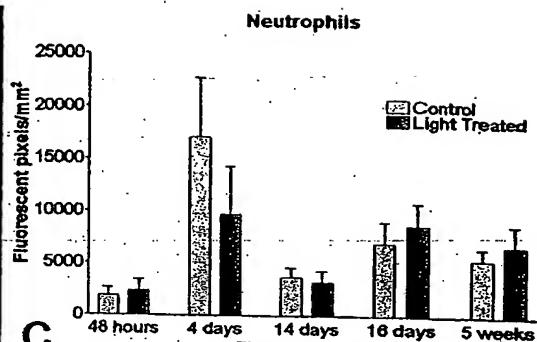
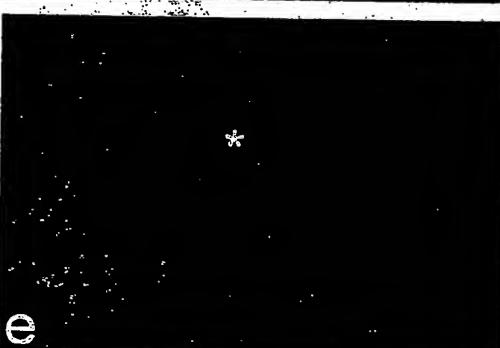
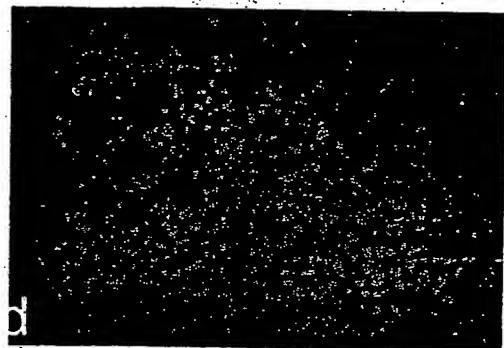
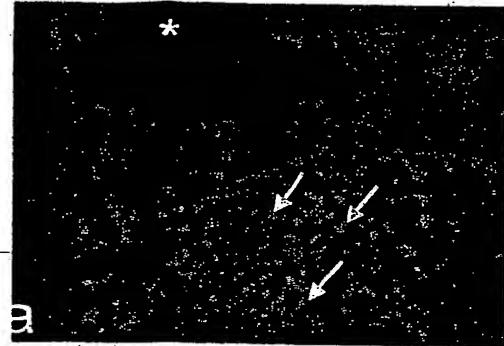


FIGURE 6

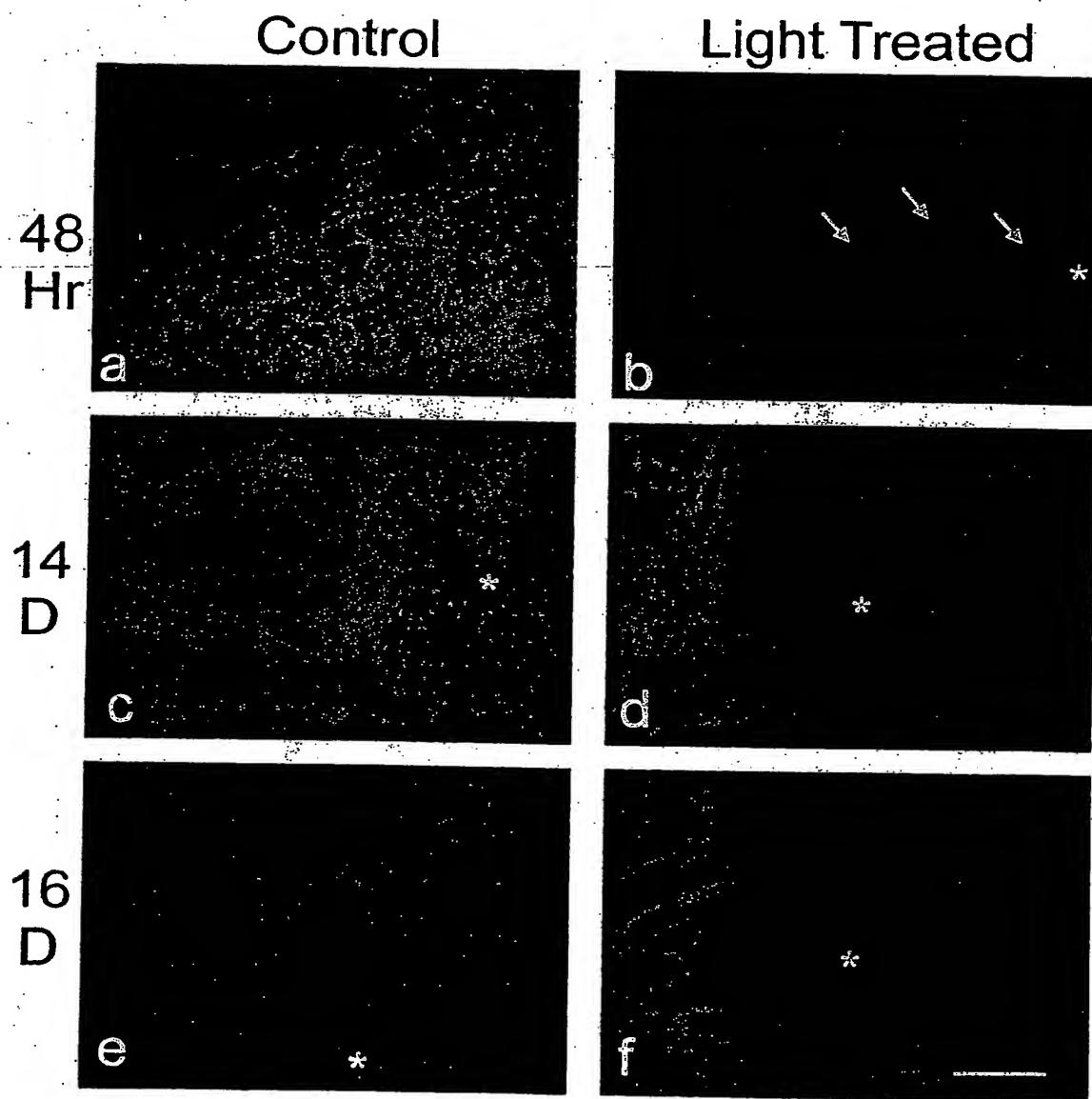
LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

AFTER SPINAL CORD INJURY

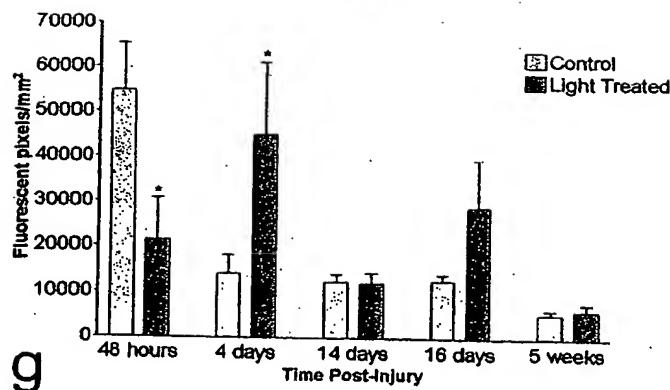
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FIGURE 7



Astrocytes



**LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY
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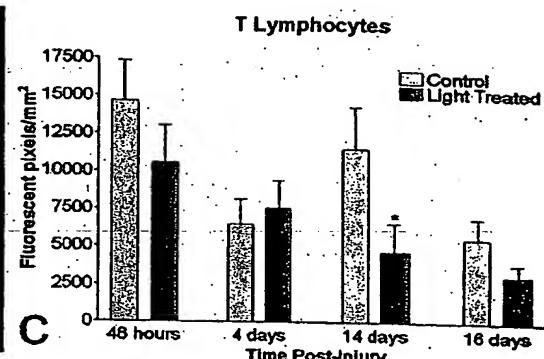
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FIGURE 8

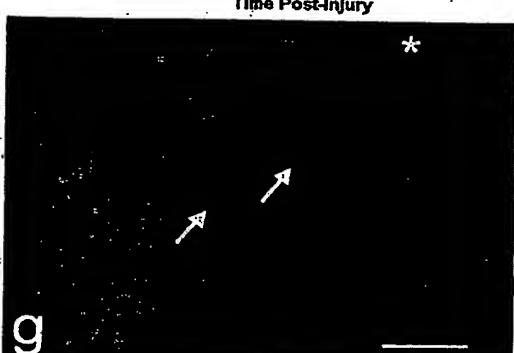
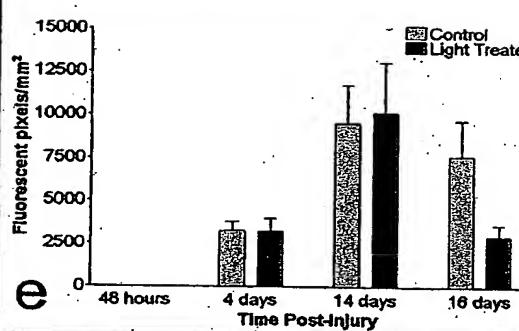
Control



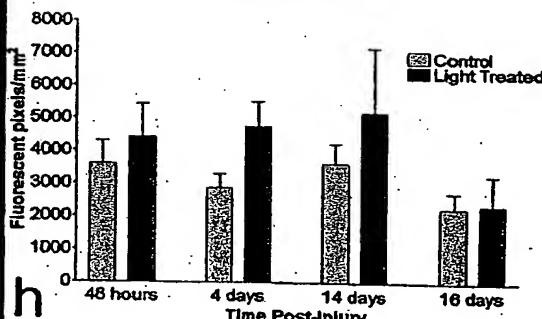
Light Treated



B Lymphocytes



Schwann Cells



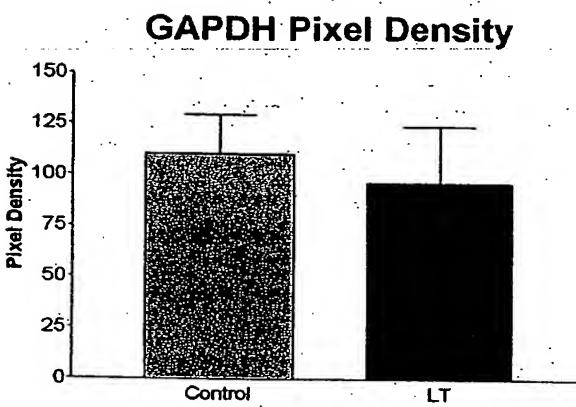
LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

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FIGURE 9



LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

AFTER SPINAL CORD INJURY

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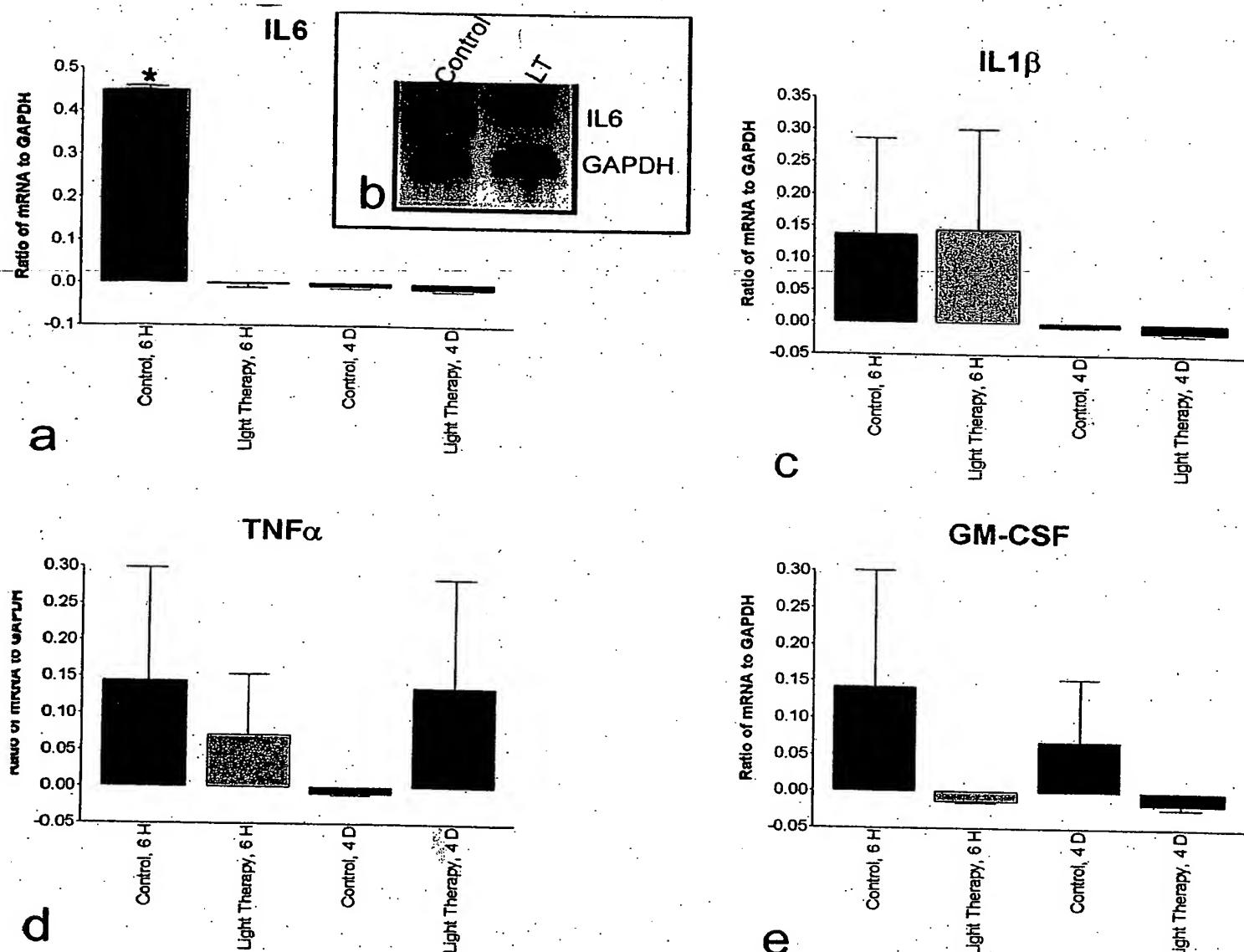


FIGURE 10

LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

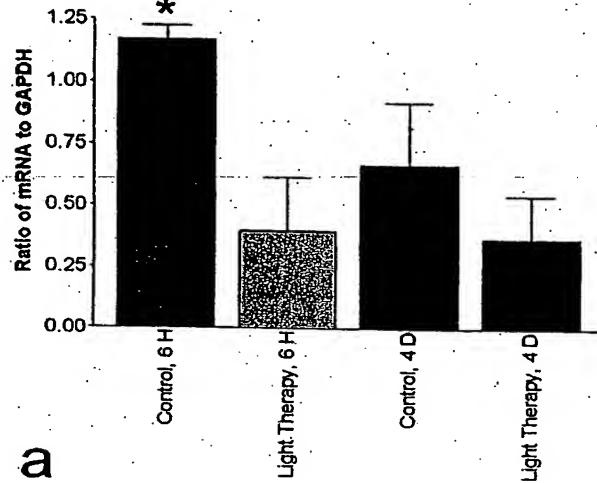
AFTER SPINAL CORD INJURY

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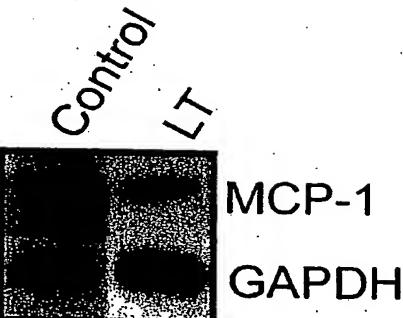
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FIGURE 11

MCP-1

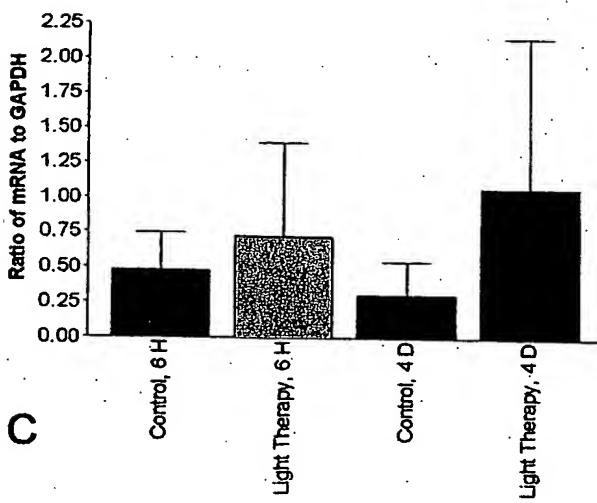


a



b

MIP1 α



c

LIGHT PROMOTES REGENERATION AND FUNCTIONAL RECOVERY

AFTER SPINAL CORD INJURY

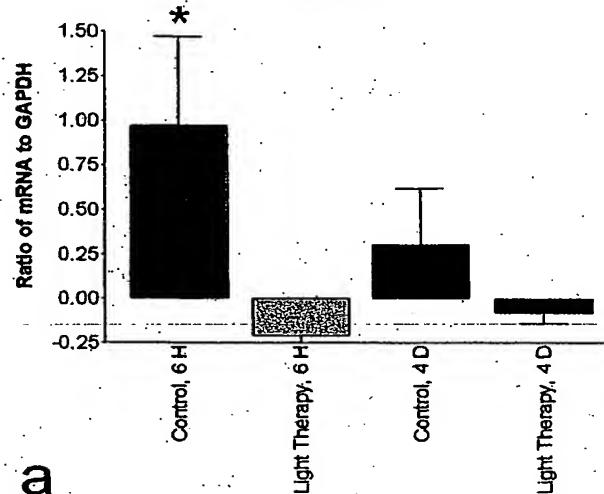
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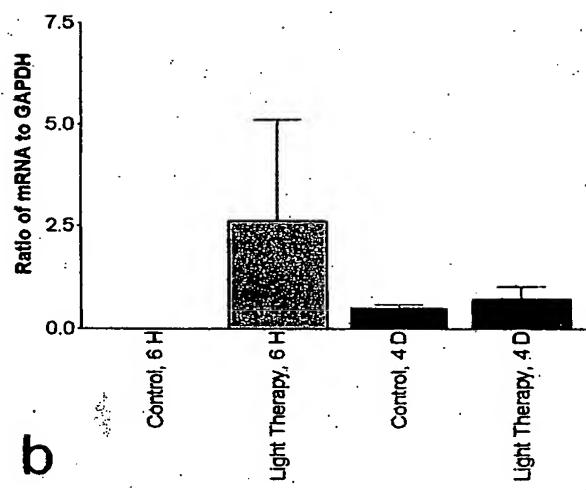
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FIGURE 12

INOS



ICAM



TGF β

